

ABSTRACT OF THE DISCLOSURE

A storage device includes a probe having a tip, the tip comprising a first portion and a second portion. The storage device also includes a storage medium having a surface, where the tip of the probe is adapted to form a dent in the storage medium. The second portion of the tip is electrically contacted to the surface of the storage medium in response to the tip being engaged in the dent, and the second portion of the tip is spaced apart from the surface of the storage medium in response to the first portion being engaged on the surface of the storage medium and not engaged in the dent.